FIG.1

<u>10</u>

```
┌──────────┐  ┌──────────────┐  ┌──────────┐
│   CPU  24│  │ INTERFACE  25│  │   HD   26│
└────┬─────┘  └──────┬───────┘  └────┬─────┘
     ↕               ↕               ↕
─────────────────────────────────────────────  B
     ↕               ↕               ↕
┌──────────┐  ┌──────────────┐  ┌──────────┐
│ DRIVER 21│  │   ROM    22  │  │  RAM   23│
└──────────┘  └──────────────┘  └──────────┘
```

FIG.2

CLIENT A   CLIENT B   DOCUMENT MANAGEMENT SERVER

S10   SESSION TICKET ACQUISITION REQUEST

S11   SESSION TICKET ACQUISITION RESPONSE

S12   FOLDER TICKET ACQUISITION REQUEST

S13   FOLDER TICKET ACQUISITION RESPONSE

S14   DOCUMENT STORAGE INFORMATION REQUEST

S15   DOCUMENT STORAGE INFORMATION RESPONSE

S16   FOLDER-TICKET-ASSOCIATED SESSION TICKET REQUEST

S17   FOLDER-TICKET-ASSOCIATED SESSION TICKET RESPONSE

S18   FOLDER-TICKET-ASSOCIATED FOLDER ID REQUEST

S19   FOLDER-TICKET-ASSOCIATED FOLDER ID RESPONSE

S20   DOCUMENT STORAGE REQUEST

S21   DOCUMENT STORAGE RESPONSE

S22   DOCUMENT LIST ACQUISITION REQUEST

S23   DOCUMENT LIST ACQUISITION RESPONSE

S24   DOCUMENT CONTENT ACQUISITION REQUEST

S25   DOCUMENT CONTENT ACQUISITION RESPONSE

FIG.3

FOLDER ID	1048rhjofiajeor023_8482w20

FIG.4

SESSION TICKET ID	382386-49352-9-1254 1033965394-3481-32
FOLDER TICKET ID	cylhZXUyOTEwaGZhX2ZdOkFMTA==

FIG.5

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
    <tmns:startSession xmlns:tmns="urn:repository">
        <scheme>BASIC</scheme>
        <userid>test_user</userid>
        <password>test_password</password>
        <timeLimit>2000</timeLimit>
    </tmns:startSession>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.6

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<soapenv:Body>
  <ns1:startSessionResponse
    soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:ns1="urn:repository">
    <returnValue>10339653935594-382386-42-59-12543481-32</returnValue>
  </ns1:startSessionResponse>
</soapenv:Body>
</soapenv:Envelope>
```

FIG.7

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:getFolderTicket xmlns:tmns="urn:repository">
<sessionId>103396539594-382386-42-59-12543481-32</sessionId>
<folderId>1048rhjofiajeor023_8482w20</folderId>
</tmns:getFolderTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.8

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<soapenv:Body>
  <ns1:getFolderTicketResponse
    soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:ns1="urn:repository">
    <returnValue>cylhZXUyOTEwaGZhX2ZdOkFMTA==</returnValue>
  </ns1:getFolderTicketResponse>
</soapenv:Body>
</soapenv:Envelope>
```

FIG.9

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:scanByTickt xmlns:tmns=" urn:scan">
<ticket>cylhZXUyOTEwaGZhX2ZdOkFMTA==</ticket>
<targetUrl>http://test.com/repository</targetUrl>
</tmns:scanByTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.10

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
 <soapenv:Body>
  <ns1:scanByTicketResponse
    soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:ns1="urn:scan">
  </ns1:scanByTicketResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

FIG.11

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:startSessionByTickt xmlns:tmns=" urn:repository">
    <ticket>cylhZXUyOTEwaGZhX2ZdOkFMTA==</ticket>
    <timeLimit>2000</timeLimit>
    </tmns:startSessionByTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.12

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
 <soapenv:Body>
  <ns1:startSessionByTicketResponse
   soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/
   xmlns:ns1="urn:repository">
   <returnValue>382386-49352-59-1254 1033965394-3481-32</returnValue>
  </ns1:startSessionByTicketResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

FIG.13

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:getFolderIdByTicket xmlns:tmns=" urn:repository">
    xmlns:ns1="urn:repository">
<sessionId>382386-49352-59-1254 1033965394-3481-32</sessionId>
<ticket>cylhZXUyOTEwaGZhX2ZdOkFMTA==</ticket>
</tmns:getFolderByTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.14

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Body>
    <ns1:getFolderIdByTicketResponse
      soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      xmlns:ns1="urn:repository">
      <returnValue>1048rhjofiajeor023_8482w20</returnValue>
    </ns1:getFolderIdByTicketResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

FIG.15

```
<SOAP-ENV:Envelope xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:putDoc xmlns:tmns=" urn:repository" xmlns:ns1="urn:repository">
<sessionId>382386-49352-59-1254 1033965394-3481-32</sessionId>
<folderId>1048rhjofiajeor023_8482w20</foldeId>
<title>test document</title>
<creator>user1</creator>
<content>MQ==</content>
</tmns:putDoc>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.16

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<soapenv:Body>
<ns1:putDocResponse
    soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:ns1="urn:repository">
<returnValue>116g8raba9=saffadadfa</returnValue>
</ns1:putDocResponse>
</soapenv:Body>
</soapenv:Envelope>
```

FIG.17

```
<SOAP-ENV:Envelope xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:getDocList xmlns:tmns="urn:repository" xmlns:ns1="urn:repository">
    <sessionId>382386-49352-59-1254 1033965394-3481-32</sessionId>
    <folderId>1048rhjofiajeor023_8482w20</folderId>
</tmns:getFolderIdByTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.18

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Body>
    <ns1:getDocListResponse
      soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      xmlns:ns1="urn:repository">
      <returnValue SOAP-ENC:Array="ns1:propertyList[1]">
        <item>
          <identifier>116g8raba9=saffadadfa</identifier>
          <title>test document</title>
          <creator>user1</creator>
        </item>
      </returnValue>
    </ns1:getDocListResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

FIG.19

```
<SOAP-ENV:Envelope xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:getDocContent xmlns:tmns=" urn:repository" xmlns:ns1=" urn:repository">
    <sessionId>382386-49352-59-1254 1033965394-3481-32</sessionId>
    <docId>116g8raba9=saffadafda</docId>
</tmns:getDocContent>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.20

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
 <soapenv:Body>
  <ns1:getDocContentResponse
   soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:ns1="urn:repository">
    <returnValue>MQ==</returnValue>
  </ns1:getDocContentResponse>
 </soapenv:Body>
</soapenv:Envelope>
```

FIG.21

```
                    ┌─────────┐
                    │  START  │
                    └────┬────┘
                         │
                         ▼
        ┌──────────────────────────────────┐
        │ RECEIVE DOCUMENT STORAGE REQUEST  │──S30
        └──────────────────┬───────────────┘
                           │
                           ▼
                                          S31
   NO    ◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇
  ◄──────     SESSION TICKET VALID ?
          ◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇
                           │ YES
                           ▼
                                          S32
          ◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇    NO
              FOLDER-TICKET-ASSOCIATED     ──────►
                 SESSION TICKET ?
          ◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇
                           │ YES
                           ▼
                                          S33
   NO    ◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇
  ◄──────    DOCUMENT-STORAGE-
              PERMITTED FOLDER ?
          ◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇◇
                           │ YES
                           ▼
        ┌──────────────────────────────────┐
        │          STORE DOCUMENT           │──S34
        └──────────────────┬───────────────┘
                           │
                           ▼
        ┌──────────────────────────────────┐
        │        RETURN DOCUMENT ID         │──S35
        └──────────────────┬───────────────┘
                           │
                           ▼
                    ┌─────────┐
                    │   END   │
                    └─────────┘
```

FIG.22

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:getFolderTicket xmlns:tmns="urn:repository">
<sessionId>1033965393594-382386-42-59-12543481-32</sessionId>
<folderId>1048rhjofiajeor023_8482w20</foldeId>
<timeLimit>1800</timeLimit>
</tmns:getFolderTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.23

FOLDER ID	1048rhjofiajeor023_8482w20
TIME LIMIT	2002-12-24T12:00:00

FIG.24

```
        START
          │
          ▼
┌─────────────────────────┐
│  RECEIVE SESSION TICKET │ ──S40
│  ACQUISITION REQUEST    │
└─────────────────────────┘
          │
          ▼
        ╱────────────╲          ╭S41
  NO  ╱                ╲
◀────◀  WITHIN TIME LIMIT ?  ╲
      ╲                ╱
        ╲────────────╱
          │ YES
          ▼
┌─────────────────────────┐
│  CREATE SESSION TICKET  │ ──S42
└─────────────────────────┘
          │
          ▼
┌─────────────────────────┐
│  RETURN SESSION TICKET  │ ──S43
└─────────────────────────┘
          │
          ▼
         END
```

FIG.25

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:getFolderTicket xmlns:tmns="urn:repository">
<sessionId>10339653593594-382386-42-59-12543481-32</sessionId>
<folderId>1048rhjofiajeor023_8482w20</folderId>
<entryCount>10</entryCount>
</tmns:getFolderTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.26

FOLDER ID	1048rhjofiajeor023_8482w20
CONNECTION LIMIT	3

FIG.27

```
                    ┌─────────┐
                    │  START  │
                    └─────────┘
                         │
                         ▼
          ┌──────────────────────────────┐
          │  RECEIVE SESSION TICKET       │──S50
          │  ACQUISITION REQUEST          │
          └──────────────────────────────┘
                         │
                         ▼
                                        S51
          ◇ CONNECTION LIMIT ≧ 1 ? ◇
    NO   /                            \
  ←──────                              
          │
          │         YES
          │          ▼
          │  ┌──────────────────────────┐
          │  │  CONNECTION LIMIT – 1     │──S52
          │  └──────────────────────────┘
          │          │
          │          ▼
          │  ┌──────────────────────────┐
          │  │  CREATE SESSION TICKET    │──S53
          │  └──────────────────────────┘
          │          │
          │          ▼
          │  ┌──────────────────────────┐
          │  │  RETURN SESSION TICKET    │──S54
          │  └──────────────────────────┘
          │          │
          └──────────▶│
                      ▼
                 ┌─────────┐
                 │   END   │
                 └─────────┘
```

FIG.28

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:getFolderTicket xmlns:tmns="urn:repository">
<sessionId>10339653593594-382386-42-59-12543481-32</sessionId>
<folderId>1048rhjofiajeor023_8482w20</foldeId>
<putDocCount>10</putDocCount>
</tmns:getFolderTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.29

FOLDER ID	1048rhjofiajeor023_8482w20
STORAGE OPERATION LIMIT	3

FIG.30

SESSION TICKET ID	382386-49352-9-1254 1033965394-3481-32
FOLDER TICKET ID	cylhZXUyOTEwaGZhX2ZdOkFMTA==

FIG.31

```
                    START

                       │
                       ▼
        ┌──────────────────────────────────┐
        │ RECEIVE DOCUMENT STORAGE REQUEST │──S60
        └──────────────────────────────────┘
                       │
                       ▼
                                         S61
NO              ╱                    ╲
◄───────────────   SESSION TICKET VALID ?
                ╲                    ╱
                       │ YES
                       ▼
                                         S62
                ╱                    ╲    NO
           FOLDER-TICKET-ASSOCIATED      ──────┐
                SESSION TICKET ?               │
                ╲                    ╱         │
                       │ YES                   │
                       ▼                       │
                                         S63   │
NO              ╱                    ╲         │
◄───────────    DOCUMENT-STORAGE-             │
                PERMITTED FOLDER ?            │
                ╲                    ╱         │
                       │ YES                   │
                       ▼                       │
                                         S64   │
NO              ╱                    ╲         │
◄───────────   STORAGE OPERATION LIMIT ≧ 1    │
                       ?                       │
                ╲                    ╱         │
                       │ YES                   │
                       ▼                       │
        ┌──────────────────────────────┐      │
        │  STORAGE OPERATION LIMIT − 1 │──S65  │
        └──────────────────────────────┘      │
                       │◄─────────────────────┘
                       ▼
        ┌──────────────────────────────┐
        │        STORE DOCUMENT         │──S66
        └──────────────────────────────┘
                       │
                       ▼
        ┌──────────────────────────────┐
        │      RETURN DOCUMENT ID       │──S67
        └──────────────────────────────┘
                       │
                       ▼
                     END
```
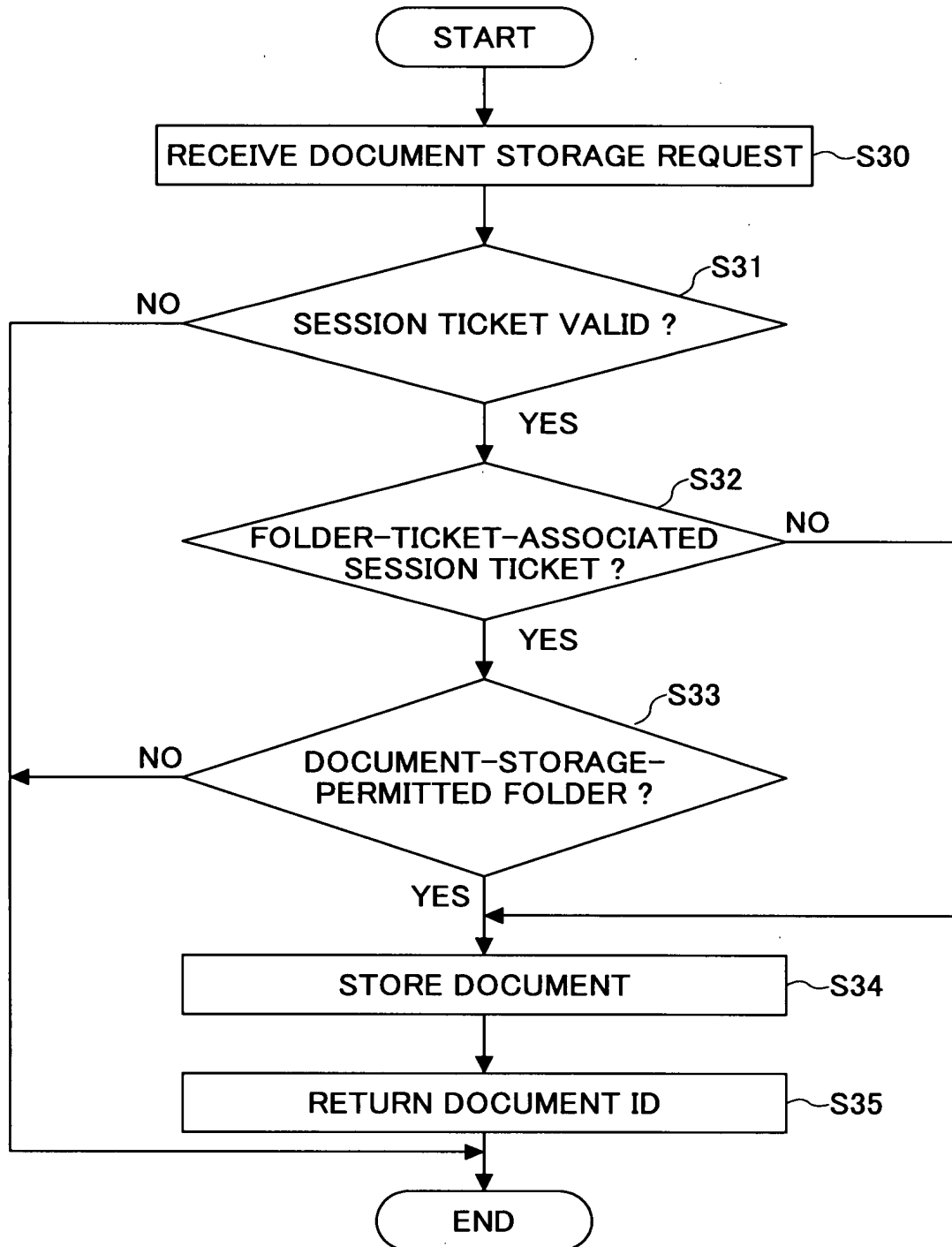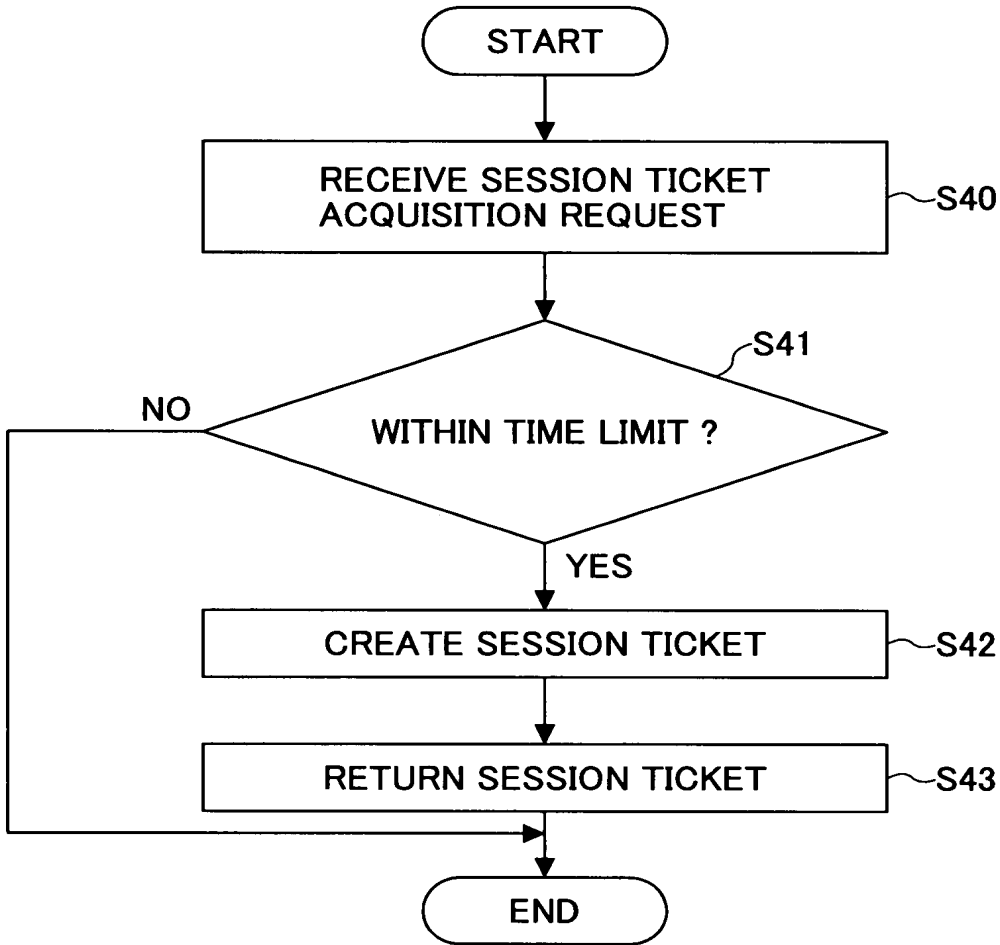
FIG.32

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:getFolderTicket xmlns:tmns="urn:repository">
<sessionId>10339653933594-382386-42-59-12543481-32</sessionId>
<folderId>1048rhjofiajieor023_8482w20</folderId>
<putDocCapacity>10</putDocCapacity>
</tmns:getFolderTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.33

FOLDER ID	1048rhjofiajeor023_8482w20
STORAGE CAPACITY LIMIT	5

FIG.34

SESSION TICKET ID	382386-49352-9-1254 1033965394-3481-32
FOLDER TICKET ID	cylhZXUyOTEwaGZhX2ZdOkFMTA==

FIG.35

```
                    ┌─────────┐
                    │  START  │
                    └────┬────┘
                         ▼
        ┌────────────────────────────────────┐
        │  RECEIVE DOCUMENT STORAGE REQUEST   │──S70
        └────────────────┬───────────────────┘
                         ▼
                                              S71
   NO          ◇─────────────────────────◇
  ◄────────────   SESSION TICKET VALID ?
                ◇─────────────────────────◇
                         │ YES
                         ▼
                                              S72
                ◇─────────────────────────◇   NO
                  FOLDER-TICKET-ASSOCIATED   ──────►
                     SESSION TICKET ?
                ◇─────────────────────────◇
                         │ YES
                         ▼
                                              S73
   NO           ◇─────────────────────────◇
  ◄────────────    DOCUMENT-STORAGE-
                  PERMITTED FOLDER ?
                ◇─────────────────────────◇
                         │ YES
                         ▼
                                              S74
   NO           ◇─────────────────────────◇
  ◄────────────  STORAGE CAPACITY SUFFICIENT
                              ?
                ◇─────────────────────────◇
                         │ YES
                         ▼
        ┌────────────────────────────────────┐
        │      STORAGE CAPACITY UPDATE        │──S75
        └────────────────┬───────────────────┘
                         ▼
        ┌────────────────────────────────────┐
        │           STORE DOCUMENT            │──S76
        └────────────────┬───────────────────┘
                         ▼
        ┌────────────────────────────────────┐
        │         RETURN DOCUMENT ID          │──S77
        └────────────────┬───────────────────┘
                         ▼
                    ┌─────────┐
                    │   END   │
                    └─────────┘
```
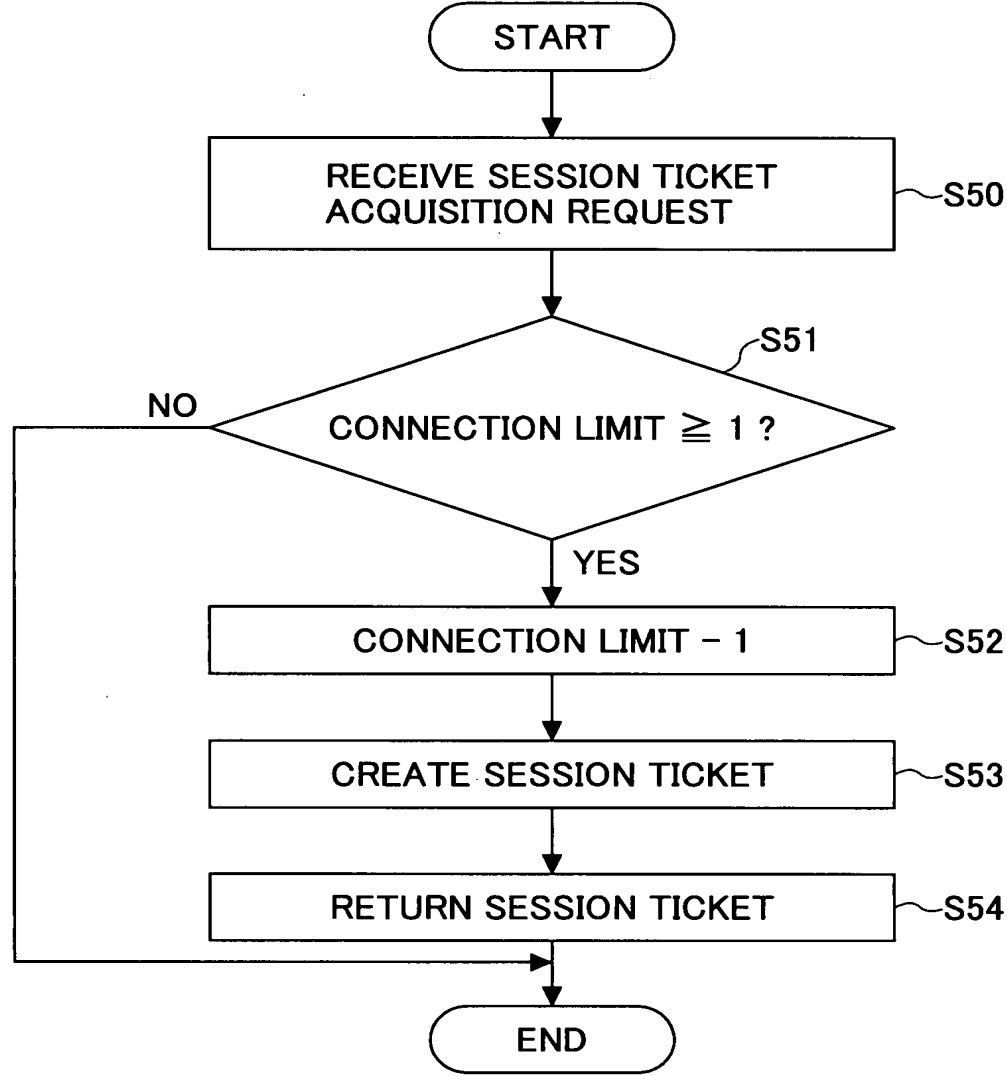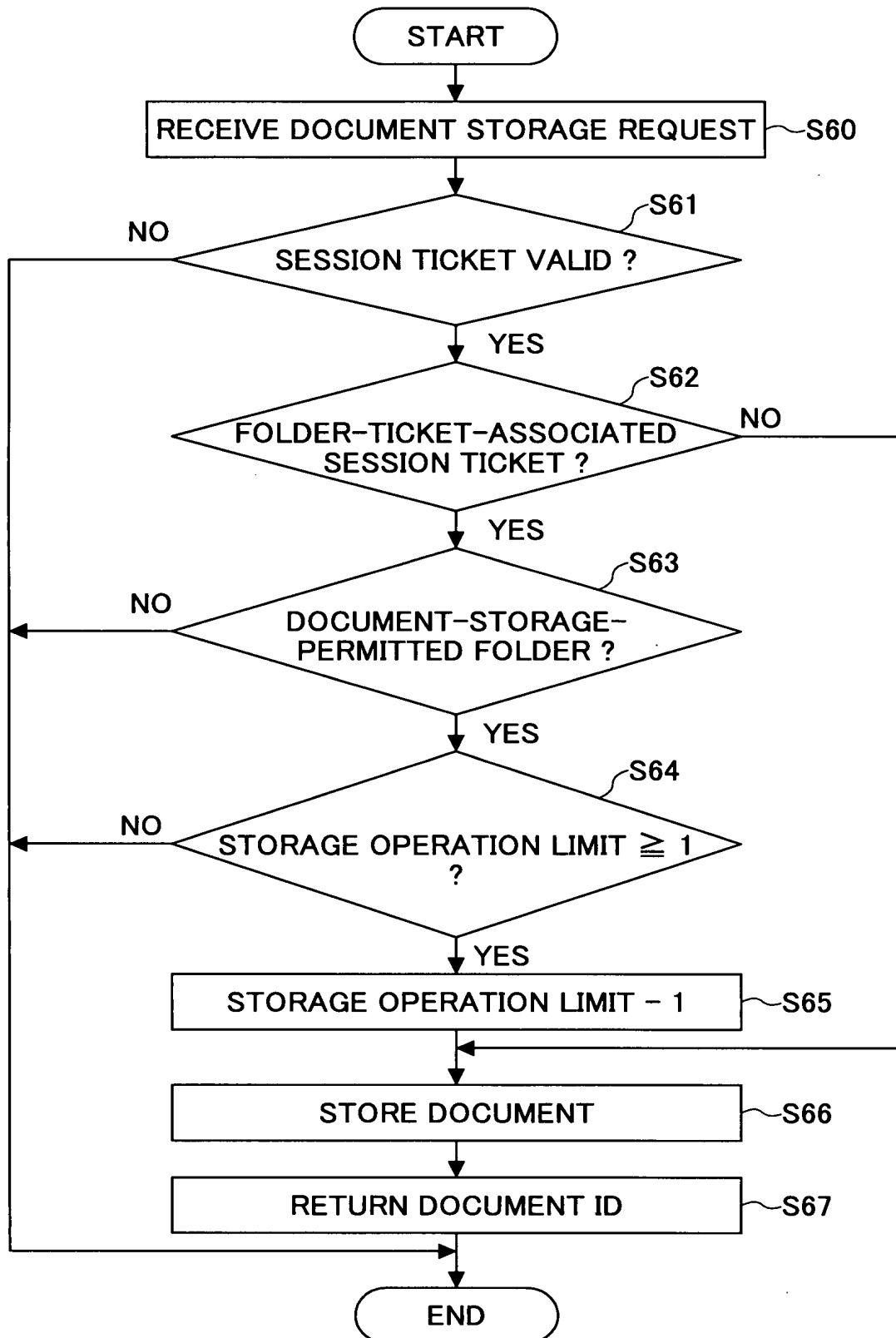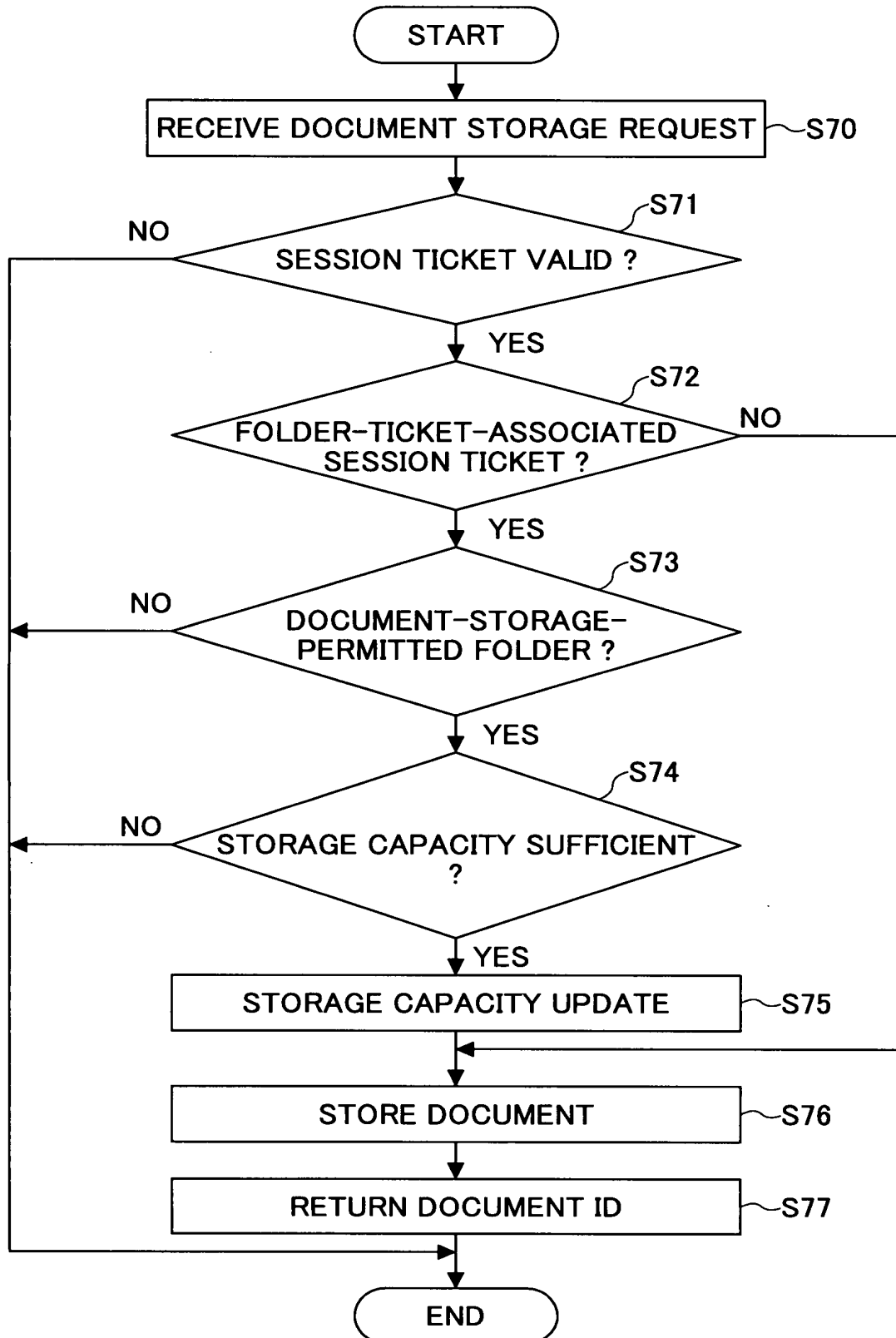
FIG.36

```
<SOAP-ENV:Envelope
    xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
    SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<tmns:getFolderTicket xmlns:tmns="urn:repository">
<sessionId>1033965393594-382386-42-59-12543481-32</sessionId>
<folderIds SOAP-ENC:arrayType="xs:string[3]">
<item>1048rhjofiajeor023_8482w20</item>
<item>eo1048r023_848hjofiajr2w20</item>
<item>821048hj23_84rw2ofiajeor00</item>
</folderIds>
<timeLimit>180</timeLimit>
</tmns:getFolderTicket>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

FIG.37

FOLDER ID
1048rhjofiajeor023_8482w20
eo1048r023_848hjofiajr2w20
821048hj23_84rw2ofiajeor00

FIG.38

FIG.39

START

RECEIVE DOCUMENT STORAGE REQUEST ~S80

S81
SESSION TICKET VALID ? — NO

YES

S82
FOLDER-TICKET-ASSOCIATED SESSION TICKET ? — NO

YES

OBTAIN PARENT FOLDER ID ~S85

NO

S84
ROOT FOLDER ? — YES

NO

S83
DOCUMENT-STORAGE-PERMITTED FOLDER ?

YES

STORE DOCUMENT ~S86

RETURN DOCUMENT ID ~S87

END

FIG.40

```
                    ┌─────────────┐
                    │    START    │
                    └──────┬──────┘
                           │
                           ▼
        ┌──────────────────────────────────────┐
        │ RECEIVE DOCUMENT STORAGE REQUEST │──S90
        └──────────────────┬───────────────────┘
                           │
                           ▼          S91
   NO      ◇─────────────────────────────────◇
  ◄────────      SESSION TICKET VALID ?
           ◇─────────────────────────────────◇
                           │ YES
                           ▼              S92
                 ◇─────────────────────────◇     NO
                   FOLDER-TICKET-ASSOCIATED  ────────┐
                 ◇    SESSION TICKET ?       ◇       │
                 ◇─────────────────────────◇         │
                           │ YES                      │
                           ▼            S93           │
   NO        ◇─────────────────────────────◇         │
  ◄──────────    DOCUMENT-STORAGE-                    │
             ◇   PERMITTED FOLDER ?         ◇         │
             ◇─────────────────────────────◇         │
                           │ YES      ◄───────────────┘
                           ▼
        ┌──────────────────────────────┐
        │        STORE DOCUMENT        │──S94
        └───────────────┬──────────────┘
                        │
                        ▼
        ┌──────────────────────────────┐
        │   RETURN DOCUMENT ID AND     │──S95
        │     DOCUMENT TICKET          │
        └───────────────┬──────────────┘
                        │
                        ▼
                 ┌─────────────┐
                 │     END     │
                 └─────────────┘
```

FIG.41

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
 <soapenv:Body>
  <ns1:putDocResponse
    soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    xmlns:ns1="urn:repository">
   <returnValue>116g8raba9=saffadadfa</returnValue>
   <docTicket>NDk3MDM0NTA5MjgxOTI=</docTicket>
  </ns1:putDocResponse>
 </soapenv:Body>
</soapenv:Envelope>
```
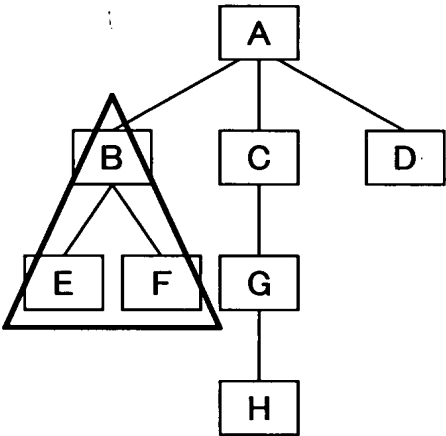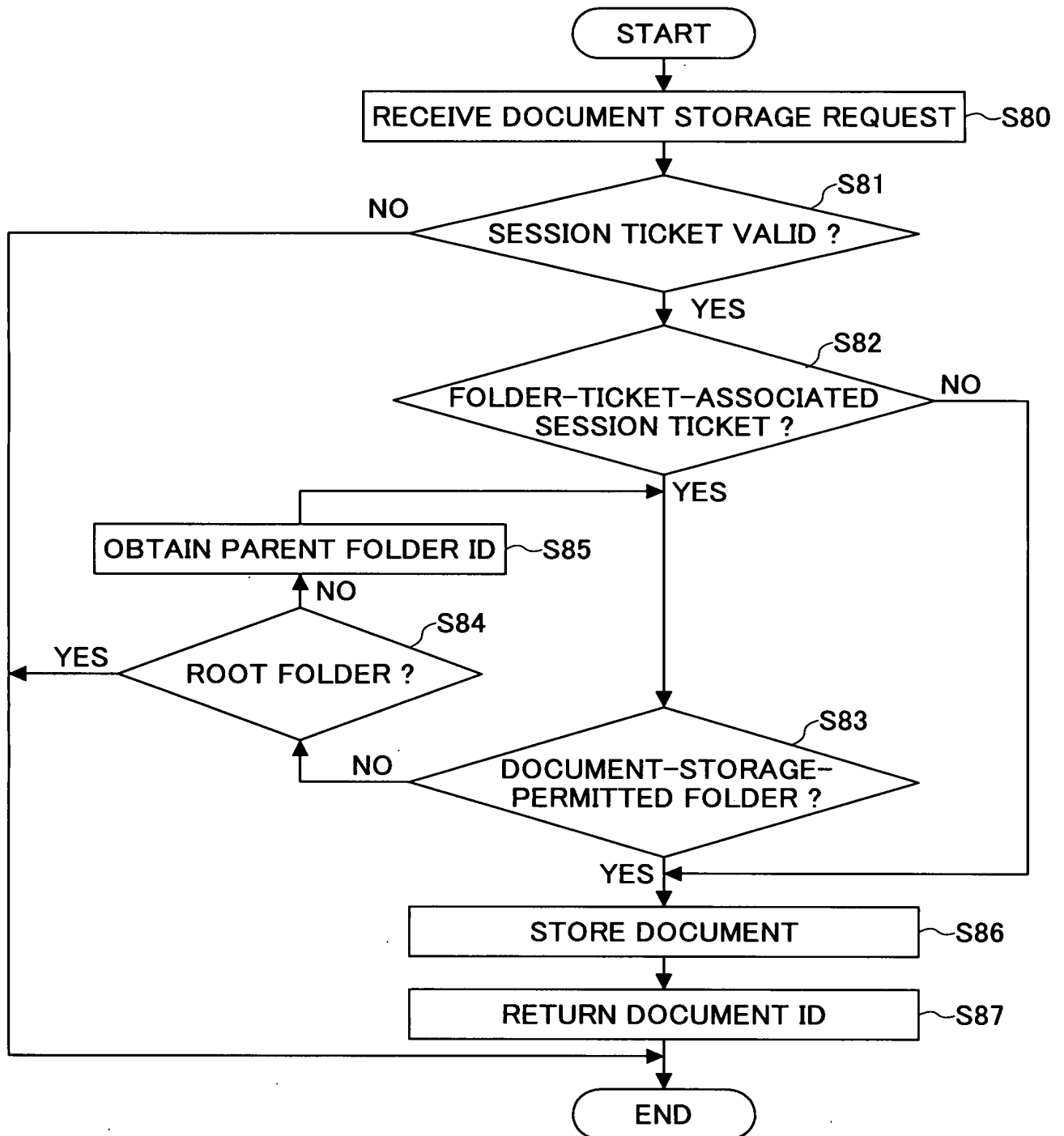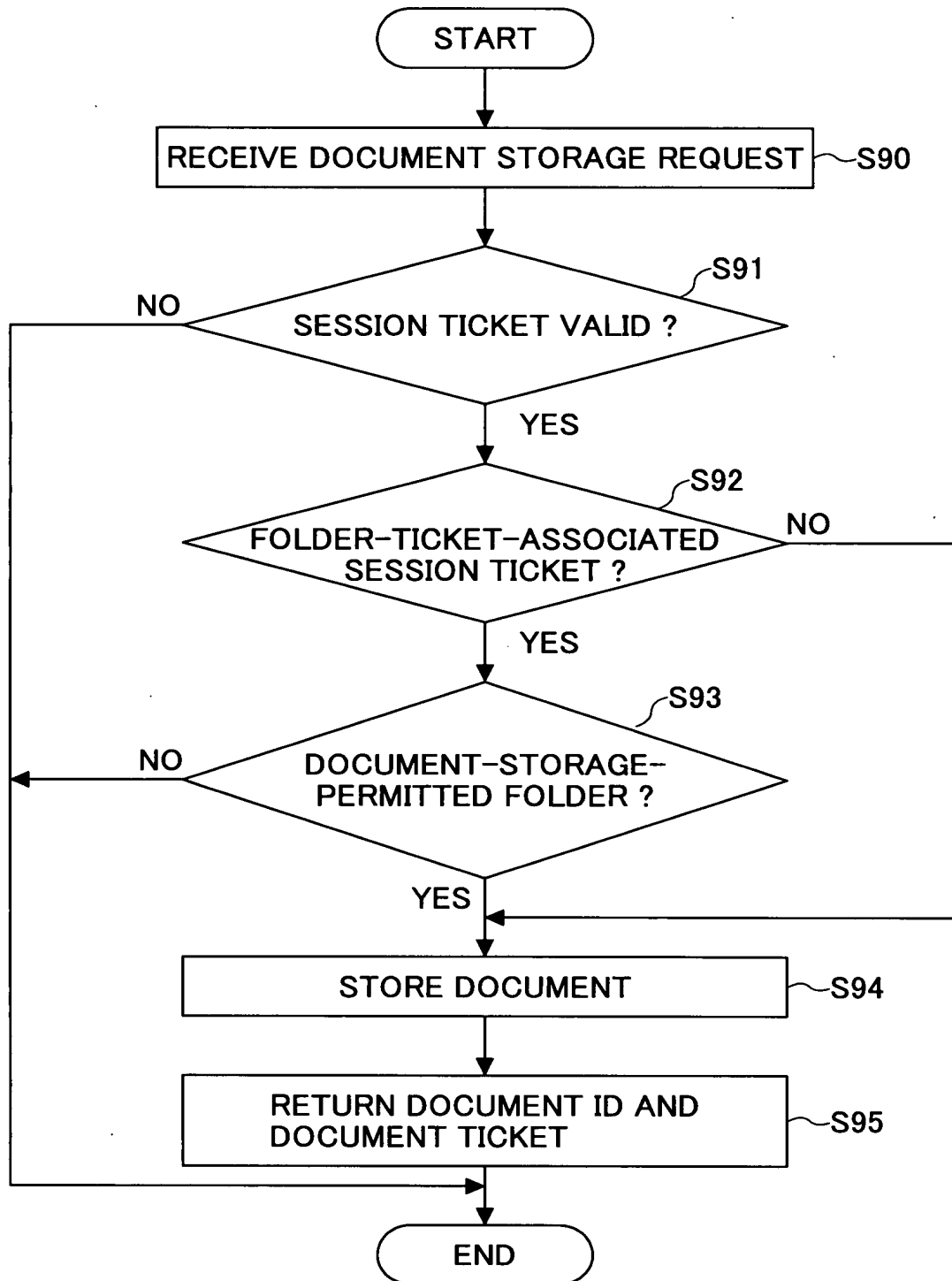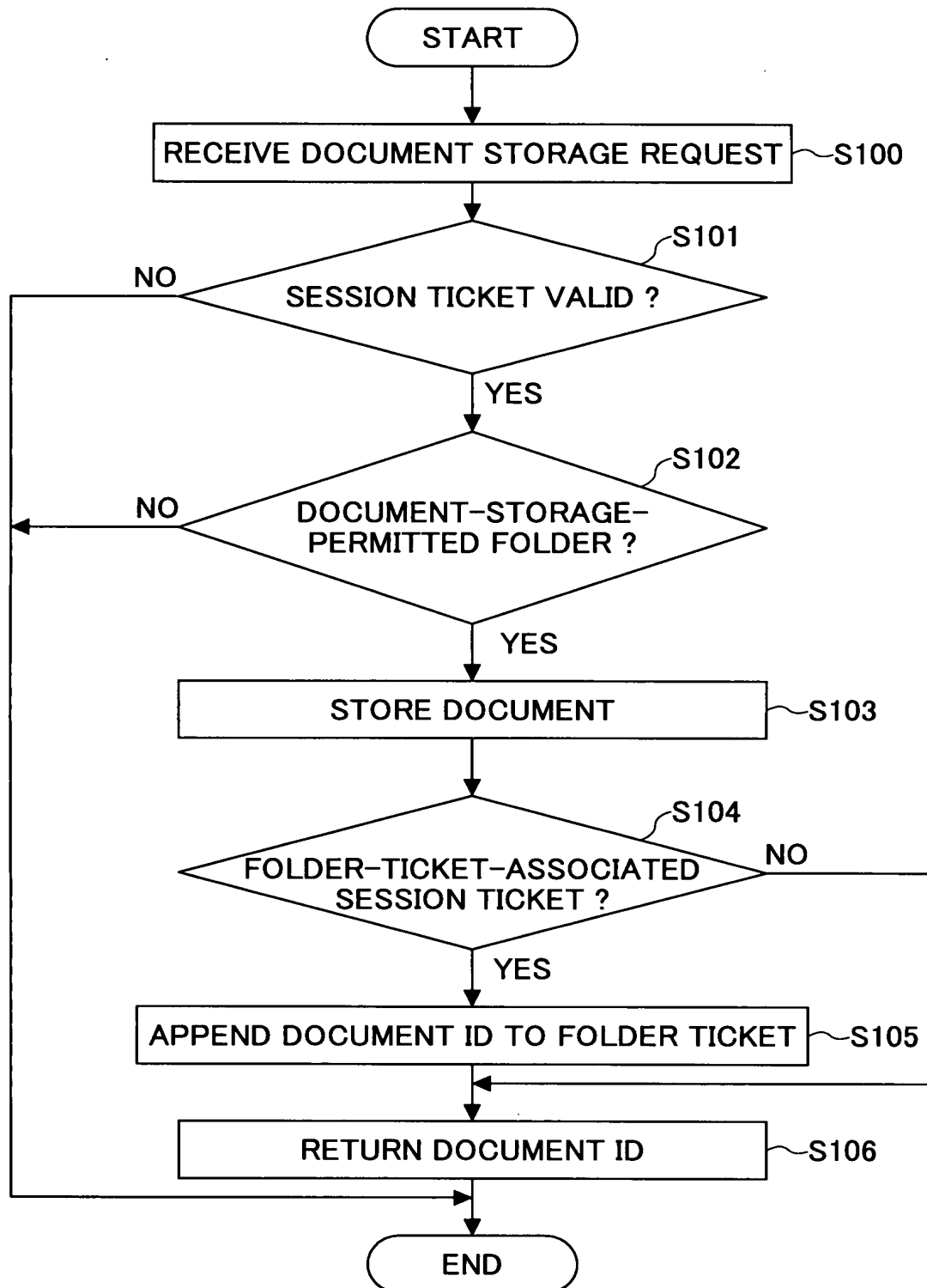
FIG.42

```
                    ┌─────────┐
                    │  START  │
                    └────┬────┘
                         ↓
        ┌────────────────────────────────────┐
        │  RECEIVE DOCUMENT STORAGE REQUEST   │──S100
        └────────────────┬───────────────────┘
                         ↓
                                    ┌─S101
   NO              ╱────────────────────╲
 ←───────────────╱  SESSION TICKET VALID ? ╲
                 ╲────────────────────────╱
                         │
                        YES
                         ↓
                                    ┌─S102
   NO              ╱────────────────────────╲
 ←────────────────╱   DOCUMENT-STORAGE-      ╲
                  ╲   PERMITTED FOLDER ?      ╱
                   ╲────────────────────────╱
                         │
                        YES
                         ↓
        ┌────────────────────────────────────┐
        │           STORE DOCUMENT           │──S103
        └────────────────┬───────────────────┘
                         ↓
                                    ┌─S104
                  ╱────────────────────────╲        NO
                 ╱  FOLDER-TICKET-ASSOCIATED ╲─────────────┐
                 ╲    SESSION TICKET ?        ╱            │
                  ╲────────────────────────╱               │
                         │                                 │
                        YES                                │
                         ↓                                 │
     ┌────────────────────────────────────────┐           │
     │  APPEND DOCUMENT ID TO FOLDER TICKET    │──S105     │
     └────────────────┬───────────────────────┘           │
                      │←───────────────────────────────────┘
                      ↓
     ┌────────────────────────────────────────┐
     │           RETURN DOCUMENT ID            │──S106
     └────────────────┬───────────────────────┘
                      ↓
                 ┌─────────┐
                 │   END   │
                 └─────────┘
```

FIG.43

FOLDER ID	1048rhjofiajeor023_8482w20
DOCUMENT ID	116g8raba9==saffadadfa